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ABSTRACT

OASIS (Oceanic and Atmospheric Scientific Information System) is an information retrieval service that furnishes ready reference to the technical literature and research efforts concerning the environmental sciences and marine and coastal resources. It provides computerized searches of both NOAA (National Oceanic and Atmospheric Administration) and non-NOAA multidiscipline publication reference files, and it gives the user access to major atmospheric, marine, and solid earth bibliographic information files not available anywhere else in computer-searchable form. OASIS provides the user with bibliographic references, abstracts, and indexing terms. An outline of all services available from OASIS and detailed instructions for requesting these services are included in this manual. (Author/WCM)

oasis

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Key to Oceanic and Atmospheric Information Sources - No. 1

User's Guide to OASIS
Oceanic and Atmospheric Scientific Information System

WASHINGTON, D.C.
MAY 1974

IR 001 124

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA SERVICE

Environmental Data Service

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- Providing access to environmental information through publications, library services, and automated referral networks.
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The National Climatic Center
National Oceanic and Atmospheric Administration
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Asheville, North Carolina 28801

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The National Oceanographic Data Center
National Oceanic and Atmospheric Administration
Washington, D.C. 20235

Telephone: 202 343-3343

The National Geophysical and Solar-Terrestrial Data Center
National Oceanic and Atmospheric Administration
30th and Marine Streets
Boulder, Colorado 80302

Telephone: 303 499-1000 ext. 6215

The Environmental Science Information Center
National Oceanic and Atmospheric Administration
3300 Whitehaven Street
Washington, D.C. 20235

Telephone: 202 343-6454

The Center for Experiment Design and Data Analysis
National Oceanic and Atmospheric Administration
3300 Whitehaven Street
Washington, D.C. 20235

Telephone: 202 343-6801

FOREWORD

OASIS is an information retrieval service that furnishes ready reference to the technical literature and research efforts concerning the environmental sciences and marine and coastal resources. It provides computerized searches of both NOAA and non-NOAA multi-discipline publication reference files and gives the user access to major atmospheric, marine, and solid earth bibliographic information files not available anywhere else in computer-searchable form. OASIS provides the user with bibliographic references, abstracts, and indexing terms. It is a one-stop service as near as your telephone. You need only make one call; EDS will make any other calls necessary to fully answer your request.

Thomas S. Austin
Director, Environmental Data Service

TABLE OF CONTENTS

		Page
1.	Introduction	1
2.	Services available from OASIS	3
2.1	User interactive searches of bibliographic data bases	3
2.2	Selective Dissemination of Information (SDI) from bibliographic data bases	3
2.3	Retrospective searches of bibliographic data bases	3
2.4	Current research information searches	4
2.5	Special bibliographies	4
3.	How to request OASIS services	5
3.1	User interactive searches	5
3.2	Selective Dissemination of Information (SDI), retrospective searches, and current research information searches	5
3.3	Special bibliographies	5
3.4	Where to obtain assistance in requesting OASIS services	8
3.5	User feedback procedure	12
4.	Costs and payment procedure	14
5.	Descriptions of and index to the data bases	18
	Air Pollution Abstracts (APA)	21
	*Aquaculture (AQ)	22
	Aquatic Sciences and Fisheries Abstracts (ASFA)	23
	Bibliography and Index of Geology (GEOREF)	24
	Bibliography of North American Geology (GEOL)	25

Biological Abstracts (BA)..... 26

Bioresearch Index (BRI)..... 27

Chemical Abstracts Condensates (CA)..... 28

Chemical Titles (CT)..... 29

Defense Documentation Center Data Bases (DDC).. 30

Energy (ENER)..... 31

Engineering Index Compendex (EI)..... 32

Food Science and Technology Abstracts (FSTA)... 33

Geophysical Abstracts (GPA)..... 34

Government Reports Announcements (GRA)..... 35

Heated Effluents (HEF)..... 36

Information Service in Physics, Electro-technology, Computers, and Control (INSPEC).... 37

ISI Automatic Subject Citation Alert (ASCA).... 38

Medline..... 39

*Meteorological and Geoastrophysical Abstracts (MGA)..... 40

NASA Information Bank (NASA)..... 41

National Agricultural Library (CAIN)..... 42

*National Oceanographic Data Center Biological Information System (BIRS)..... 43

*New York Bight (NYBIGHT)..... 44

Nuclear Science Abstracts (NSA)..... 45

*Oceanic Index (OI)..... 46

PANDEX/TRANSDEX (PT)..... 47

Searchable Physics Information Notices (SPIN).. 48

Selected Water Resources Abstracts (SWRA)..... 49

Smithsonian Science Information Exchange (SSIE)..... 50

Solid Waste Information Retrieval System (SWIRS)..... 51

Toxic Materials (TOXMAT)..... 52

TOXLINE..... 53

6. Sample Search Results..... 54

*Available for computer searching exclusively through OASIS

IF YOU WISH TO RECEIVE UPDATES TO THIS USER'S GUIDE, REFLECTING ADDITIONAL SERVICES AND CHANGES, PLEASE RETURN THE COUPON BELOW.

(please detach along this dotted line)

TO: TECHNICAL INFORMATION DIVISION (ATTN: D832)
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
WASHINGTON, D.C. 20235

☐ Yes, I am interested in using OASIS services. Please place my address on the distribution list for updates to the OASIS User's Guide.

NAME: _____

ADDRESS: _____

_____

_____

_____

OASIS USER'S GUIDE

1. INTRODUCTION

The volume, diversity, and dispersal of published literature in the marine, earth, and atmospheric sciences has created the need to provide scientists, engineers, planners, and decision-makers specialized information retrieval services that will bring to them an awareness of the published literature in a brief, concise, and timely manner. The typical environmental scientist or manager has information needs that cross many scientific disciplines. A single source or a limited number of sources of bibliographic information cannot always be identified to serve an individual or the environmental community at large.

One of NOAA's central functions is to "Observe, collect, communicate, analyze, process, provide and disseminate comprehensive data and information about the state of the upper and lower atmosphere, of the oceans and the resources thereof including those in the seabed, of marine and anadromous fish and related biological resources, of inland waters, of the earth, the sun and the space environment...". NOAA performs this function in order "To ensure the safety and welfare of the public, and to further the Nation's interests and activities with respect to the protection of public health against environmental pollution, the protection and management of the Nation's biological, mineral and water resources, the maintenance of environmental quality, agriculture, fisheries, industry, transportation, communications, space exploration, national defense and the preservation of the Nation's wilderness and recreation areas..." *

Consonant with these objectives the Oceanic and Atmospheric Scientific Information System (OASIS) has been and continues to be developed as a 'one-stop' service available to the public for computerized searching of references to technical publications and research dealing with the environmental sciences and marine resources. OASIS is operated by the Technical Information Division, TID, Environmental Science Information Center, Environmental Data Service, National Oceanic and Atmospheric Administration (NOAA) in Washington, D.C. This User's Guide contains a description of all OASIS services and how to request such services.

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* Department Organization Order, DOO 25-5A, U.S. Department of Commerce, Washington, D.C.

OASIS is unique in that:

(1) It is publicly available to individuals and organizations who have a need for information in the fields listed in the mission statement below.

(2) It offers access to several environmental bibliographic information files not available elsewhere.

(3) It offers one-stop access to a wide variety of the data bases* of interest to the marine, atmospheric, and earth sciences fields.

(4) In order not to duplicate services available elsewhere, many of the services offered are obtained through information dissemination centers external to NOAA, but each user submits only a single request regardless of the data bases chosen.

Comments regarding OASIS services, including requests for additional data bases, should be directed to:

Robert R. Freeman
Chief, Technical Information Division (D83)
National Oceanic and Atmospheric Administration
Washington, D.C. 20235

OR

James R. Stear
Chief, Systems Branch (D832)
National Oceanic and Atmospheric Administration
Washington, D.C. 20235

---

* The term "data base" is used in this guide to refer to bibliographic information files in computer-searchable form.

2. SERVICES AVAILABLE FROM OASIS

2.1 USER INTERACTIVE SEARCHES OF BIBLIOGRAPHIC DATA BASES

User interactive searching refers to queries of a data base at a terminal. Immediate responses between the computer and user are provided. A user can query a large data base and have his answers in a few minutes.

For non-NOAA data bases the TID will make arrangements for interactive terminal searches only at NOAA facilities.

User interactive searching is valuable when the user needs information immediately. It is also useful for testing the presence of relevant material in a data base or refining search strategies.

2.2 SELECTIVE DISSEMINATION OF INFORMATION (SDI) FROM BIBLIOGRAPHIC DATA BASES

SDI, sometimes called Current Awareness, is the retrieval of citations to current scientific literature as it is published, and its periodic dissemination to the user. The service resembles a subscription, and the frequency of receipt depends on the frequency with which the data base is updated. This service is usually of greatest value to individuals whose interests are of a long-term, continuing nature. Charges for SDI services are made on a per-profile, per-volume basis. A profile is defined as one statement of subject matter interests on NOAA FORM 24-21. For example, BIOLOGICAL ABSTRACTS is updated twice a month and is priced at $11 per issue per profile. Thus, the total cost per month is $22, plus shipping charges. If the same profile is used for searching more than one data base, the total charge is the sum of the charges for each data base, plus shipping. ENGINEERING INDEX COMPENDEX, for example, is issued once a month and costs $14 per issue. If a given profile were to be run against both BIOLOGICAL ABSTRACTS and Engineering INDEX COMPENDEX, the monthly charge would be $36 and the subscriber would receive three releases per month.

An SDI profile can be modified at any time to reflect changing professional interests or information requirements. Modifications are not retroactive.

2.3 RETROSPECTIVE SEARCHES OF BIBLIOGRAPHIC DATA BASES

A Retrospective search is the retrieval of specified subject matter from an entire data base or a given number of volumes of a data base.

Abstracts are available from some of the data bases such as Meteorological and Geoastrophysical Abstracts and Air Pollution Abstracts.

This service is usually of greatest value to those who are working on projects that must be completed in a short time or who are beginning a new project and wish to survey the field. A retrospective search is made only once for a given request, but if the results are not satisfactory the request can be modified and run again. The cost depends upon the specific data base(s) searched, and occasionally upon the chronological span specified by the user.

2.4 CURRENT RESEARCH INFORMATION SEARCHES

Information summaries are available on current and recently completed government and non-government research projects. These summaries are not bibliographic citations of published material, but rather are a summary of research projects, including names of principal investigators and the organizations performing the research.

2.5 SPECIAL BIBLIOGRAPHIES

Special bibliographies can be prepared from one or more data bases. Bibliographies can be arranged in a sequence specified by the user. Options are numerous. Output citations can be categorized, and in many cases abstracts are available. Citations can be indexed by special arrangement and within system limitations. Output can be computer printout, photocomposition, or magnetic tape for electronic photocomposition.

3. HOW TO REQUEST OASIS SERVICES

3.1 USER INTERACTIVE SEARCHES

By special arrangement with the TID, users can search NOAA and selected non-NOAA data bases via their own terminals. Requests for information related to this service should be directed by letter to the TID.

3.2 SELECTIVE DISSEMINATION OF INFORMATION (SDI), RETROSPECTIVE SEARCHES, AND CURRENT RESEARCH INFORMATION SEARCHES

Requests for SDI and retrospective search services are initiated by submission of NOAA Form 24-21, Request for OASIS Services. Forms are available from the Technical Information Division or from any of the sources listed in section 3.4. A sample form is shown in figure 1. General assistance may be obtained by contacting any OASIS Information Specialist in the Technical Information Division, Area Code 202, 343-6454.

If specific technical assistance is needed in one of the interest areas listed below, contact the Information Specialists indicated:

Biology, Chemistry, Fisheries... Mr. Robert Walter

Environmental Planning and Impact, Coastal Zone Management..... Ms. Delores Reese

Oceanography, Geophysics..... Mr. Steven Tibbitt

Meteorology, Climatology..... Mr. James Stear

For interest areas not listed, contact any one of the Information Specialists.

3.3 SPECIAL BIBLIOGRAPHIES

Requests for special bibliographies should be directed by letter to the TID.

NOAA FORM 24-21 (12-73)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

REQUEST FOR OASIS SERVICES
(OCEANIC AND ATMOSPHERIC SCIENTIFIC INFORMATION SYSTEM)

DATE: 4/4/74

1. NAME OF PERSON SUBMITTING REQUEST (Last, First, Middle): Roe, Richard Charles

2. PHONE NO. (Include A.C.): 213-940-8869

3. ADDRESS – NUMBER AND STREET: 10325 Olive Street

CITY: San Diego, Calif. | STATE: California | ZIP CODE: 92105

4. INDIVIDUAL TO ACTUALLY USE THIS SEARCH (Last, First, Middle): Smith, John Q.

5. TITLE AND ORGANIZATION: Prof. Marine Geology, Univ. of the West

6. PHONE NO. (Include A. C.): 213-940-8867

7. DETAILED SUBJECT AREA REQUIREMENTS – *(Please describe your information needs as specifically as possible. Include as many key words with synonymns as possible, indicating any terms that may have special meaning to your request. If specific subject areas are to be excluded from the profile, please set them forth separately and clearly identify them as exclusions.)*

Marine Geology of Southeast Asia; any references in this category, includes coastal processes; stratigraphy; sedimentation, structure, bathymetric charts, etc.

Keywords: Marine Geology

8. GEOGRAPHIC RESTRICTIONS – *(If only certain areas are of interest, list them here)*

Southeast Asia
Andaman Sea
Straits of Malacca
South China Sea
Java Sea
Gulf of Thailand

9. AUTHORS – *(List any authors whose writings are of interest, specifying first and middle names when known)*

Rodolfo, Kevin
Emery, K.O.
Niino, H.
Pynchon, Thomas

10. LIST ANY JOURNALS WHOSE CONTENTS SHOULD BE EXCLUDED FROM THIS SEARCH

None

FIGURE 1 SAMPLE REQUEST FOR OASIS SERVICES

11. DATA BASE(S) TO BE SEARCHED – *(See user's guide for list of available data bases; consultation with OASIS personnel may be necessary)*

Bibliography and Index of Geology — GEOREF

12. PURPOSE OF SEARCH – *(Please indicate the purpose for which this search will be used, giving specific details that will put your request into context. e.g.: ongoing research, prospective research, preparation of book, book chapter, journal article, paper to be presented at conference, etc.)*

Literature search is for writing a study plan for prospective survey and research in the Southeast Asia area specified.

13. SEARCH REQUIREMENTS *(Please check one of the boxes below to indicate the type search you require)*

☑ CONTINUING CURRENT AWARENESS *(SDI)* ☐ ONE TIME RETROSPECTIVE SEARCH

☐ OTHER *(Specify)* _____

14. SCOPE DESIRED *(Please check one of the boxes below)*

☑ BROAD SEARCH DESIGNED TO RETRIEVE AS MANY AS POSSIBLE OF THE RELEVANT CITATIONS, BUT WHICH MIGHT ALSO RETRIEVE MANY IRRELEVANT CITATIONS.

☐ NARROW SEARCH DESIGNED TO RETRIEVE SOME OF THE RELEVANT CITATIONS, BUT WITH FEW ACCOMPANYING IRRELEVANT CITATIONS.

15. KNOWN RELEVANT PAPERS – *(Supply bibliographic citations for a few of the relevant articles you have retrieved by your own efforts. If no relevant papers have been found, state "NONE".)*

NONE FOUND SINCE July, 1970

16. APPROVAL AND ACCEPTANCE OF CHARGES FOR PERFORMANCE OF WORK

SIGNATURE: Richard C. Rae

TITLE AND ORGANIZATION: Director, Dept. of Oceanography

ADDRESS: Univ. of the West, 10325 Olive St., San Diego Calif. 92105

17a. PRICE FOR SERVICES *(From user's guide)* $ 168

17b. PAYMENT FOR SERVICES *(NOAA Users Only)*

INDICATE ACCOUNT TO WHICH SERVICES SHOULD BE CHARGED:

ORG. CODE _____ TASK NO. _____

17c. PAYMENT FOR SERVICES *(Non-NOAA users only)*

☐ PAYMENT ENCLOSED $ _____
(Check or money order only)

(Make checks payable to U.S. Dept. of Commerce – NOAA)

☑ BILL

SEND THIS FORM WITH PAYMENT, IF APPROPRIATE, TO:

Technical Information Division (D832)
National Oceanic and Atmospheric Administration
Washington, D. C. 20235

IF SPECIAL ASSISTANCE IS NEEDED FOR COMPLETION OF THIS FORM, CALL:

OASIS Technical Information Specialist
Area Code (202) 343-6454
Working Hours: 7:30 A. M. to 4:00 P. M. Eastern Time

FIGURE 1-(CONT'D) SAMPLE REQUEST FOR OASIS SERVICES

3.4 WHERE TO OBTAIN ASSISTANCE IN REQUESTING OASIS SERVICES

NOAA FORM 24-21, "REQUEST FOR OASIS SERVICES", should be completed and mailed to Technical Information Division, or, alternatively, filed with a local NOAA Library. Forms or assistance are available from the following offices:

Technical Information Division (Attn: D832)
National Oceanic and Atmospheric Administration
Washington, D.C. 20235

LOCATION AND TELEPHONE
Page Bldg. 2; Rm. 168; 3300 Whitehaven St. NW
Tel: (202)-343-6454

Atmospheric Sciences Library
Attn: Chief, Reference and Circulation (D821)
National Oceanic and Atmospheric Administration
Silver Spring, Md. 20910

LOCATION AND TELEPHONE
Gramax Bldg.; Rm. 816; 8060 13th St.
Tel: (301)-427-7800

Marine and Earth Sciences Library
Attn: Chief, Reference and Circulation (D822)
National Oceanic and Atmospheric Administration
Rockville, Md. 20852

LOCATION AND TELEPHONE
Washington Science Center; Bldg. 1; Rm. 108;
6001 Executive Blvd.; Tel: (301)-496-8022

Marine and Earth Sciences Library
Attn: Fisheries Branch (D822)
National Oceanic and Atmospheric Administration
Washington, D.C. 20235

LOCATION AND TELEPHONE
Page Bldg. 2; Rm. 194; 3300 Whitehaven St. NW
Tel: (202)-343-6821

NOAA Miami Library (Attn: RF20x4)
Atlantic Oceanographic and Meteorological Labs
15 Rickenbacker Causeway
Virginia Key
Miami, Fla. 33149

Tel: (305)-350-1330

Chief, Library Services (Attn: R51)
Environmental Research Laboratories
National Oceanic and Atmospheric Administration
Boulder, Colorado 80302

LOCATION AND TELEPHONE
1209 Radio Bldg.; Tel: (303)-499-3788

National Climatic Center
Attn: Chief, User Services Branch (D542)
National Oceanic and Atmospheric Administration
Federal Bldg.
Asheville, N.C. 28801

Tel: (704)-254-0680

National Geophysical and Solar-Terrestrial Data Center
Attn: Chief, Solid Earth & Marine Geophysical Data
Services Division,
National Oceanic and Atmospheric Administration
Boulder, Colo. 80302

LOCATION AND TELEPHONE
107 Research Bldg. 2; Tel: (303)-499-6521

National Geophysical and Solar-Terrestrial Data Center
Attn: Chief, Solar-Terrestrial Data Services Div.
National Oceanic and Atmospheric Administration
Boulder, Colo. 80302

LOCATION AND TELEPHONE
633 Research Bldg. 3; Tel: (303)-499-6323

National Oceanographic Data Center
Attn: Chief, Data Services Division (D76)
National Oceanic and Atmospheric Administration
Rockville, Md. 20235

LOCATION AND TELEPHONE
Page Bldg. 1, Room 428, 3300 Whitehaven St., NW
Tel: 343-3343

Lake Survey Center
Attn: Chief, Scientific Services Group (CLSx1)
National Oceanic and Atmospheric Administration
Federal Bldg. & U.S. Courthouse
Detroit, Michigan 48226

LOCATION AND TELEPHONE
Rm. 602; Tel: (313)-226-6126

Librarian
Southwest Fisheries Center (F141)
National Marine Fisheries Service
National Oceanic and Atmospheric Administration
P.O. Box 271
LaJolla, Calif. 92037

LOCATION AND TELEPHONE
8604 LaJolla Shores Drive

Librarian
Northwest Fisheries Center (F11)
National Marine Fisheries Service
National Oceanic and Atmospheric Administration
2725 Montlake Blvd. E.
Seattle, Wash. 98112

Librarian
Atlantic Estuarine Fisheries Center (F15)
National Marine Fisheries Service
National Oceanic and Atmospheric Administration
Pivers Island, P.O. Box 570
Beaufort, N.C. 28516

3.5. USER FEEDBACK PROCEDURE

Evaluation by the recipient of materials retrieved is accomplished by completion of NOAA Form 24-22, "OASIS SEARCH EVALUATION", as illustrated in Figure 2. This form is a franked, self-mailing 5"x8" card. It is requested that this form be completed for each search received. Evaluations of materials released under SDI permit the original request to be refined. Without this procedure the original request will continue to run as originally stated. It is important to realize that a profile, once established, is not immutable. If output is not satisfactory, refinements may have to be made in the search strategy. The user should report any desired changes to an OASIS Technical Information specialist.

NOAA FORM 24-22
(12-73)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

TOTAL NO. OF CITATIONS SENT *(D832 Use Only)*

OASIS SEARCH EVALUATION

(OCEANIC AND ATMOSPHERIC SCIENTIFIC INFORMATION SYSTEM)

1. EVALUATE THE CITATIONS ACCOMPANYING THIS FORM AND ENTER THE NUMBER OF CITATIONS UNDER THE APPROPRIATE CATEGORY OF RELEVANCE:

MODERATE TO HIGH RELEVANCE	MARGINAL RELEVANCE	NO RELEVANCE

2. OF THE RELEVANT CITATIONS, WHAT PERCENTAGE WAS PREVIOUSLY KNOWN TO YOU?

3. COMMENTS *(Include address/phone correction when needed)*

4. FOR USE BY OASIS PERSONNEL ONLY

USER	DATA BASE	
ANALYST	DATE FORWARDED	SEARCH NUMBER

FIGURE 2 FORM FOR OASIS SEARCH EVALUATION

4. COSTS AND PAYMENT PROCEDURE

The cost of OASIS services is determined by the type of search provided and the number (and in some cases the volumes) of data bases searched. Charges for each data base are described in detail in Table I of this section.

NOAA USERS:
Payment for services requested by NOAA users will be made through budgetary or cost adjustments between the requestor's Financial Management Center (FMC) and ESIC. Requestors should give their Organization Code and Task Number when making a request. Funds may be transferred in advance to provide for OASIS services to authorized employees of an FMC.

NON-NOAA USERS:
OASIS services may be paid for in either of the following ways:

a. By check or money order submitted with a request. Checks should be made payable to "U.S. Dept. of Commerce, NOAA".

b. By indicating at the time a request is submitted that the charges should be billed. This is the normal procedure for requestors from Federal agencies other than NOAA.

TABLE I DETAIL OF DATA BASES AND SEARCH CHARGES

DATA BASE	COVERAGE	APPROX. FILE SIZE AS OF 1973	UPDATES[D]	VOLS./ YR.	COST[C] BATCH RETRO	BATCH SDI	INTERACTIVE (VIA USER TERMINAL) PER CONNECT HOUR	INTERACTIVE (VIA USER TERMINAL) OFF-LINE PRINTING (PER CITATION)
AIR POLLUTION ABSTRACTS (APA)	1967-PRESENT	52,000	M	N/A	$4.	$4.	-	-
AQUACULTURE* (AQ)	1970-PRESENT	1,800 (BY MID 1974)	I	N/A	$10.	-	-	-
AQUATIC SCIENCES AND FISHERIES ABSTRACTS (ASFA)	BEGINNING 1975	-	M[B]	N/A	(CURRENTLY ONLY MANUAL SEARCHES ARE AVAILABLE) (CONTACT TID FOR COST ESTIMATE)			
BIBLIOGRAPHY AND INDEX OF GEOLOGY (GEOREF)	1967-PRESENT	200,000	M	1	$49.[J]	$14.	$60.[F]	$.15
BIBLIOGRAPHY OF NORTH AMERICAN GEOLOGY (GEOL)	1961-1968	62,000	NA	1	$35.[A]	N/A	-	-
BIOLOGICAL ABSTRACTS (BA)	1969-PRESENT	613,000	SM	2	$40.[A]	$11.	-	-
BIORESEARCH INDEX (BRI)	1969-PRESENT	462,000	M	1	$80.[A]	N/A	-	-
CHEMICAL ABSTRACTS CONDENSATES (CA-CONDENSATES)	1968-PRESENT	1,500,000	BW	2	$34.[J]	$11.	$45.[F]	$.08
CHEMICAL TITLES (CT)	1962-1968	627,000	NA	1	$70.[A]	N/A	-	-
DEFENSE DOCUMENTATION CENTER[I] (DDC)	1953-PRESENT	670,000	M	N/A	$4.	$4.	-	-
ENERGY (ENER)	1970-PRESENT	2,000	M	N/A	$4.	-	FREE[E]	FREE

TABLE I-(CONT'D) DETAIL OF DATA BASES AND SEARCH CHARGES

DATA BASE	COVERAGE	APPROX: FILE SIZE AS OF 1973	UPDATES[D]	VOLS./ YR.	COST[C] BATCH RETRO	BATCH SDI	INTERACTIVE (VIA USER TERMINAL) PER CONNECT HOUR	INTERACTIVE (VIA USER TERMINAL) OFF-LINE PRINTING (PER CITATION)
ENGINEERING INDEX COMPENDEX (EI)	1969-PRESENT	285,000	M	1	$69.[J]	$14.	$90.[F]	$.20
FOOD SCIENCE AND TECHNOLOGY ABSTRACTS (FSTA)	1970-PRESENT	70,000	M	N/A	-	$4.	-	-
GEOPHYSICAL ABSTRACTS (GPA)	1966-1970	29,000	NA	1	$35.[A]	-	-	-
GOVERNMENT REPORTS ANNOUNCEMENTS (GRA)	1970-PRESENT	325,000	SM	1	$34.[J]	$9.	$35.[F]	$.10
HEATED EFFLUENTS (HEF)	1774-PRESENT	4,000	NS	N/A	$4.	-	FREE[E]	FREE
INFORMATION SERVICE IN PHYSICS, ELECTROTECHNOLOGY, COMPUTERS, AND CONTROL (INSPEC)	1970-PRESENT	500,000	SM	1	$39.[J]	$14.	$45.[F]	$.10
ISI AUTOMATIC SUBJECT CITATION ALERT (ASCA)	CURRENT YEAR	374,000/YR	W	N/A	$54.[G]	$14. (1 YR. MIN. @ $163.)	-	-
MEDLINE	1969-PRESENT	490,000	M	N/A	-	-	(CONTACT TID FOR COST ESTIMATE)	
METEOROLOGICAL AND GEOASTROPHYSICAL ABSTRACTS* (MGA)	1972-PRESENT	14,000	M[B]	N/A	$10.	FREE	$10.	$.10
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION INFORMATION BANK (NASA)	1963-PRESENT	800,000	BM	N/A	$4.	FREE	-	-
NATIONAL AGRICULTURAL LIBRARY (CAIN)	1969-PRESENT	400,000	M	1	$29.[J]	$14.	$30.[F]	$.08
NATIONAL OCEANOGRAPHIC DATA CENTER BIOLOGICAL INFORMATION RETRIEVAL SYSTEM* (BIRS)	1955-PRESENT	17,000	I	N/A	$4.	-	-	-
NEW YORK BIGHT* (NYBIGHT)	1951-1973	2,400	I	N/A	$10.	-	-	-
NUCLEAR SCIENCE ABSTRACTS (NSA)	1968-PRESENT	360,000	M	1	$ 4.	$9.	FREE[E]	FREE

TABLE I-(CONT'D) DETAIL OF DATA BASES AND SEARCH CHARGES

DATA BASE	COVERAGE	APPROX. FILE SIZE AS OF 1973	UPDATES[D]	VOLS./YR.	COST[C] BATCH RETRO	COST[C] BATCH SDI	COST[C] INTERACTIVE (VIA USER TERMINAL) PER CONNECT HOUR	COST[C] INTERACTIVE (VIA USER TERMINAL) OFF-LINE PRINTING (PER CITATION)
OCEANIC INDEX* (OI)	1964-1973	76,000	I	N/A	$20.	-	$20.	$.05
PANDEX/TRANSDEX (PT)	1970-PRESENT	530,000	W	N/A	$24.[J]	$5.	$35.	$.05
SEARCHABLE PHYSICS INFORMATION NOTICES (SPIN)	1970-1973	125,000	M	1	$70.[A]	$14.	-	-
SELECTED WATER RESOURCES ABSTRACTS (SWRA)	1968-PRESENT	66,000	M	N/A	$ 4.	$ 4.	-	-
SMITHSONIAN SCIENCE INFORMATION EXCHANGE, INC.[I] (SSIE)	N/A (CURRENT FEDERAL R&D)	170,000	D	N/A	$54. (FOR 100 CITATIONS)	$19.[H]	-	-
SOLID WASTE INFORMATION RETRIEVAL SYSTEM (SWIRS)	1964-PRESENT	23,000	SM	N/A	$4.	-	-	-
TOXIC MATERIALS (TOXMAT)	1968-PRESENT	5,000	NS	N/A	$4.	-	FREE[E]	FREE
TOXLINE	1948-PRESENT	273,000	Q	N/A	$9.[J]	-	$15.[FK]	$0.10 per page

* AVAILABLE FOR COMPUTER SEARCHING EXCLUSIVELY FROM OASIS.
A PRICE PER VOLUME PER DATA BASE. ($4 SERVICE CHARGE NOT INCLUDED)
B PLANNED UPDATE FREQUENCY.
C PRICES MAY BE CHANGED WITHOUT NOTICE.
D BM=BIMONTHLY NA=NOT APPLICABLE I=IRREGULAR SM=SEMIMONTHLY
BW=BIWEEKLY NS=NON-SCHEDULED M=MONTHLY W=WEEKLY
D=DAILY Q=QUARTERLY
E INTERACTIVE SEARCHES AVAILABLE ONLY FROM TID TERMINAL IN WASHINGTON D.C.
F LINE COST OF $10. PER CONNECT HOUR NOT INCLUDED.
USERS MUST FURNISH THEIR OWN TERMINALS OR USE TERMINALS LOCATED AT TID.
G $54. MINIMUM FOR 2 HRS OF SEARCH TIME. ADDITIONAL SEARCH TIME IS $25./HR.
H UP TO 100 CITATIONS ARE PROVIDED AT THIS COST.
I DATA BASES CONTAIN SUMMARIES OF CURRENT AND RECENTLY COMPLETED RESEARCH PROJECTS.
J PRICE DOES NOT APPLY TO LARGE SEARCHES REQUIRING MORE THAN ONE HOUR OF TERMINAL CONNECT TIME OR MORE THAN 200 CITATIONS. FOR THE NORMAL SEARCH THESE LIMITS WILL NOT BE EXCEEDED. THE TID WILL NOTIFY YOU IF THESE LIMITS WILL BE EXCEEDED PRIOR TO PERFORMING YOUR SEARCH.
K MINIMUM CHARGE OF $15. PER MONTH FOR EACH REGISTERED USER.

5. DESCRIPTIONS OF AND SUBJECT INDEX TO THE DATA BASES

The following index can be used to identify data bases relevant to the general subject areas specified. Once a user has identified all data bases of possible interest, the descriptions that follow may be studied to determine whether each is appropriate to his interests. You are encouraged to contact the Technical Information Division (TID) if assistance is needed.

Data bases such as DDC, ASCA, SSIE, PANDEX, TRANSDEX, and GRA are not indexed in this table since they contain information in most of the subject areas.

SUBJECT AREA	DATA BASES
A	
aeronomy	MGA,NASA,NSA
agriculture	CAIN
air quality	APA
air pollution	APA,CAC,CT,EI,MGA,SPIN
aquaculture	AQ,ASFA
aquatic biology	AQ,ASFA,BIRS
astrophysics	MGA,NASA,NSA
atmospheric physics	MGA,NASA,NSA,SPIN
B	
biochemistry	BAP,BRI,CAC,CT,MEDLINE,TOXLINE, OI
bioengineering	BAP,BRI,EI
biological oceanography	AQ,ASFA,BIRS,OI
biology	ASFA,BAP,BRI,MEDLINE
C	
cartography	NASA
chemical oceanography	ASFA,CAC,CT,OI
chemistry	CAC,CT,EI,MEDLINE,NSA,OI
climatology	APA,CAIN,MGA,NASA
coastal zone management	BAP,BRI,EI,NYBIGHT,OI
communications	EI,INSPEC,NASA
E	
ecology	ASFA,BAP,BRI,OI,SWRA
energy sources, production and management	ENER,NSA
environmental biology	ASFA,BAP,BRI,MEDLINE,OI
environmental impact analysis	NYBIGHT,SWRA
environmental monitoring	APA,EI,NASA,NSA,OI,SPIN,SWRA
estuaries	ASFA,OI,SWRA

F	
fish and fisheries	ASFA,BAP,BRI,FSTA,OI,SWRA
fluid physics	INSPEC,NASA,NSA,OI,SPIN
food chemistry	ASFA,CAC,CT,FSTA,MEDLINE,OI
food technology	BAP,BRI,EI,FSTA,OI
G	
geological oceanography	ASFA,GEOL,GEOREF,OI
geology	ASFA,EI,GEOL,GEOREF,GPA,OI
geochemistry	ASFA,CAC,CT,GEOL,GEOREF,GPA,OI
geodesy	GPA,NASA,OI
geomagnetism	GEOL,GEOREF,GPA,NASA,OI
geophysics	ASFA,EI,GEOL,GEOREF,NASA,NSA,OI, SPIN
H	
hydrology	EI,MGA,OI,SWRA
I	
ionospheric phenomena	MGA,NASA,NSA,SPIN
M	
marine biology	ASFA,BAP,BIRS,BRI,OI
marine chemistry	ASFA,CAC,CT,OI
marine environment	ASFA,BIRS,OI
marine ecology	ASFA,GEOREF,OI
marine geology	ASFA,GEOL,GEOREF,OI
meteorology	APA,EI,MGA,NASA,NSA,OI
microbiology	BAP,BRI,FSTA
N	
NOAA publications	GRA
nuclear science and technology	EI,NSA,SPIN
O	
ocean dumping	SWIRS
oceanography	ASFA,BAP,BRI,CAC,CT,EI,GEOREF, MGA,OI
organic chemistry	ASFA,CAC,CT,OI
P	
paleontology	ASFA,GEOL,GEOREF,GPA,OI
photochemistry	APA,CAC,CT
physical chemistry	CAC,CT,NSA,SPIN
physics	EI,INSPEC,NSA,OI,SPIN
pollution - see various types	

R	
radiation	ASFA,CAC,CT,ENER,INSPEC,MEDLINE, MGA,NASA,NSA,OI,SPIN
S	
satellites	MGA,NASA,OI
Sea Grant publications	GRA
seismology	EI,GEOL,GEOREF,OI
solar energy	ENER
solar physics and phenomena	MGA,NASA,NSA
solid waste disposal	SWIRS
space sciences	MGA,NASA,NSA
T	
thermal pollution	ASFA,HEF,NSA,OI
toxicology	ASFA,BAP,BRI,CAC,CT,MEDLINE, OI,TOXLINE,TOXMAT
U	
undersea technology	EI,OI
W	
water pollution	ASFA,CAC,CT,EI,ENER, OI,SWRA,TOXLINE
water quality	ASFA,OI,SWRA
water resources	ASFA,EI,OI,SWRA
water treatment	ASFA,EI,OI,SWRA
weather forecasting	APA,MGA,NASA

NAME OF DATA BASE: AIR POLLUTION ABSTRACTS (APA)

SUPPLIER OF DATA BASE: Environmental Protection Agency
Air Pollution Technical Information
Center

ACCESS MODE: BATCH

YEARS COVERED: 1967-present
FILE SIZE: 52,000
AVAILABILITY: Now

AIR POLLUTION ABSTRACTS(APA) is the data base maintained by the Environmental Protection Agency for the collection and dissemination of all domestic and foreign technical literature related to air pollution. Literature coverage includes 7,000 domestic and foreign serial publications, patents, government reports, dissertations, preprints, technical society papers and proceedings. Monthly updates of the data base files contain notices of approximately 600 of the most recent technical articles in air pollution research. The retrospective collection available for custom searches amounts to more than 52,000 documents.

NAME OF DATA BASE: AQUACULTURE (AQ)

SUPPLIER OF DATA BASE: National Oceanic and Atmospheric Administration (NOAA) National Oceanpgraphic Data Center

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1972-present
FILE SIZE: Projected 1,800 by mid-1974
AVAILABILITY: January 1975

AQUACULTURE(AQ)-The Aquaculture data base is to be a control point for information on aquaculture. The file will contain information on this topic from reports, project summaries, reprints, preprints, manuscripts, progress reports, film strips, and articles from such journals as Fish Culturist and American Fish Farmer. At the present time there are 382 citations in the file for the period 1972 to the present. It is planned that the file shall grow to approximately 1,800 citations by July 1, 1974. Only retrospective searches of the file will be available. Future plans include a "browse" capability for viewing the documents on microfiche. Although NODC is constructing and implementing the data base, all requests for information from this data base should be sent directly to ESIC.

NAME OF DATA BASE: AQUATIC SCIENCES AND FISHERIES ABSTRACTS (ASFA)

AQUATIC SCIENCES AND FISHERIES ABSTRACTS (ASFA) is a data base covering all aspects of the aquatic environment, both marine and fresh water, emphasizing oceanography, marine biology, ecology, marine pollution, and fisheries. It is produced by an international consortium under the auspices of the Food and Agriculture Organization of the United Nations. The published abstracting and indexing service began in 1971. The data base is expected to grow at the rate of about 15,000 citations each year. NOAA is a member of this consortium, providing coverage of all marine-related NOAA and Sea Grant publications for the data base. The ASFA publication is provided to all NOAA libraries having a need for marine information beginning in 1974.

Computer searches are expected to be available beginning in 1975. Until then, manual searches are available by special arrangement with TID.

NAME OF DATA BASE: BIBLIOGRAPHY AND INDEX OF GEOLOGY (GEOREF)

SUPPLIER OF DATA BASE: American Geological Institute

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1967-present
FILE SIZE: 200,000
AVAILABILITY: Now

GEOREF, the geological reference file, is issued by the American Geological Institute and contains world literature on geology from over 2,000 serials and publications. Over 50,000 citations per year are published. The hard copy counterpart of this file is the Geological Society of America's Bibliography and Index of Geology. The file is updated monthly, providing material for SDI profiles. Also available is the retrospective collection which begins with 1967 and is used in conducting custom searches.

NAME OF DATA BASE: BIBLIOGRAPHY OF NORTH AMERICAN GEOLOGY (GEOL)

SUPPLIER OF DATA BASE: U.S. Geological Survey

ACCESS MODE: BATCH

YEARS COVERED: 1961-1968
FILE SIZE: 62,000
AVAILABILITY: Now

BIBLIOGRAPHY OF NORTH AMERICAN GEOLOGY (GEOL) is a data base of citations covering the years 1961-1968 inclusive. The file was supplied by the U.S. Geological Survey. The Bibliography of North American Geology file lists publications concerning geology of the North American Continent, Greenland, the West Indies and adjacent islands, Hawaii, Guam and other island possessions, but not the trust territories of the United States. Articles by American authors published in foreign journals are cited if they deal with North American localities or are of a general nature, but not if they deal with foreign areas. Articles on North America by foreign authors are included regardless of the place of publication, while those of a general nature are included only if they appeared in North American journals. Only custom retrospective searches are available.

NAME OF DATA BASE: BIOLOGICAL ABSTRACTS (BA)

SUPPLIER OF DATA BASE: BioSciences Information Service (BIOSIS)

ACCESS MODE: BATCH

YEARS COVERED: 1969-present
FILE SIZE: 613,000
AVAILABILITY: Now

BIOLOGICAL ABSTRACTS(BA) data base is supplied by the Biosciences Information Service (BIOSIS). The associated hard copy (Biological Abstracts) of the data base is published twice a month. The literature coverage for this data base amounts to approximately 8,000 primary publications originating in 97 countries. About 150,000 are cited each year. The Biological Abstracts Previews file is concerned with basic research and is updated semimonthly. The retrospective file for custom searches begins with 1969. Sample journal titles reviewed for input to Biological Abstracts tapes are: Transactions of the American Fisheries Society; Journal of Zoology (London); Biometrics; Journal of Biological Chemistry.

NAME OF DATA BASE: BIORESEARCH INDEX (BRI)

SUPPLIER OF DATA BASE: Biosciences Information Service

ACCESS MODE: BATCH

YEARS COVERED: 1969-present
FILE SIZE: 462,000
AVAILABILITY: Now

BIORESEARCH INDEX(BRI) data base is supplied by the Bioscience Information Service (BIOSIS). The associated hard copy of this data base is published monthly. Over 90,000 new articles are cited each year, taken from additional journals and reports not covered by Biological Abstracts (q.v.). The BioResearch Index file contains material about applied research and is issued monthly. Tape records for the data base average 7,500 titles per issue. The retrospective collection for custom searches begins with 1969 and numbers more than 380,000 document citations.

NAME OF DATA BASE: CHEMICAL ABSTRACTS CONDENSATES (CA)

SUPPLIER OF DATA BASE: Chemical Abstracts Service

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1970-present
FILE SIZE: 1,100,000
AVAILABILITY: Now

CHEMICAL ABSTRACTS CONDENSATES(CA-CONDENSATES) corresponds to Chemical Abstracts and is supplied by the Chemical Abstracts Service. It is issued weekly with half the subject scope covered one week and the other half on the following week. Searches may be tailored to either the "ODD" (CAO) series, or the "EVEN"(CAE) series for SDI profiles. In 1974 approximately 390,000 new articles are expected to be cited. The retrospective collection for custom searches begins with volume 69, July 1968. There are two volumes per year from that time to the present.

NAME OF DATA BASE: CHEMICAL TITLES (CT)

SUPPLIER OF DATA BASE: Chemical Abstracts Service

ACCESS MODE: BATCH

YEARS COVERED: 1962-1968
FILE SIZE: 627,000
AVAILABILITY: Now

CHEMICAL TITLES(CT) covers 650 journals of pure and applied chemistry and chemical engineering with a content of 100,000 to 120,000 documents per year. This data base is available only as a retrospective collection for custom searches in the years 1962 through 1968. Following this period, searches are run on the CA-CONDENSATES data base collection.

NAME OF DATA BASE: DEFENSE DOCUMENTATION CENTER DATA BASES (DDC)

SUPPLIER OF DATA BASE: Defense Documentation Center

ACCESS MODE: BATCH

YEARS COVERED: 1953-present
FILE SIZE: 670,000
AVAILABILITY: Now

THE DEFENSE DOCUMENTATION CENTER(DDC), a field activity of the Defense Supply Agency, maintains several data bases and makes available from one central depository thousands of research and development reports produced each year by U.S. military organizations and their contractors. Two of the data bases are available for OASIS use. These are the Research and Technology Work Unit Information System (DD 1498 M) and Technical Reports System (DD 1473 M). The former contains research and development reports on current and recently terminated or completed projects. The latter contains only terminated or completed research and development project reports. Only unclassified products are available through OASIS.

The Center's technical report collection totals more than a million titles. Those accessioned since March 1953, about 670,000, are under computer control for quick retrieval. These include more than 65,000 titles in the field of electronics and electrical engineering and 90,000 which concern studies in physics. Almost all areas of science and technology are included in the rest of the collection.

NAME OF DATA BASE: ENERGY (ENER)

SUPPLIER OF DATA BASE: Environmental Information System Office, Oak Ridge National Laboratory

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1970-present
FILE SIZE: 2,000
AVAILABILITY: Now (Interactive Searches From TID Terminal Only)

ENERGY(ENER) is a data base of bibliographic references related to all aspects of the energy problem. It was supported by the National Science Foundation and prepared by the Environmental Information System Office at Oak Ridge National Laboratory. The ENERGY data base contains references to books, reports, technical and semi-technical journal articles, symposium papers and proceedings, and Congressional committee prints. At the present time, the data base contains almost 2,000 references and is increasing. Retrospective custom searches are available. No capability for SDI search services has been planned.

NAME OF DATA BASE: ENGINEERING INDEX COMPENDEX (EI)

SUPPLIER OF DATA BASE: Engineering Index, Inc.

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1970-present
FILE SIZE: 275,000
AVAILABILITY: Now

COMPENDEX (EI) corresponds to the Engineering Index Monthly and is supplied and published by Engineering Index, Inc. It is the only English language monthly indexing service covering the worldwide engineering spectrum. Articles from approximately 2,200 current serial and nonserial publications are abstracted. The update of the data base files amounts to about 7,000 documents per month, to which SDI profiles can be applied. The retrospective collection for custom searches begins with the year 1969.

NAME OF DATA BASE: FOOD SCIENCE AND TECHNOLOGY ABSTRACTS (FSTA)

SUPPLIER OF DATA BASE: International Food Information Service

ACCESS MODE: BATCH

YEARS COVERED: 1970-present
FILE SIZE: 70,000
AVAILABILITY: Now

The FOOD SCIENCE AND TECHNOLOGY ABSTRACTS (FSTA) data base is produced by the International Food Information Service. FSTA gleans about 1,400 abstracts each month from world-wide patents, books, and journals dealing with food processing problems. Topics treated include fish and marine products, food economics, and packaging.

1,200 primary journals are searched. Of these, 150 are from the United States, 100 from Germany, 80 from the United Kingdom, 60 from France, 58 from the USSR, and 145 from Japan. The file contains 70,000 citations for the period 1970-present. Only current awareness service is available at present. Special arrangements can be made with TID for a manual retrospective search.

NAME OF DATA BASE: GEOPHYSICAL ABSTRACTS (GPA)

SUPPLIER OF DATA BASE: U.S. Geological Survey

ACCESS MODE: BATCH

YEARS COVERED: 1966-1970
FILE SIZE: 29,000
AVAILABILITY: Now

GEOPHYSICAL ABSTRACTS (GPA) data base contains 29,154 citations from journals and other publications dealing with geology worldwide. It is available as a retrospective collection for custom searches only. The GPA is available for the years 1966-1970. The supplier of input for the data base was the U.S. Geological Survey.

NAME OF DATA BASE: GOVERNMENT REPORTS ANNOUNCEMENTS (GRA)

SUPPLIER OF DATA BASE: National Technical Information Service

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1964-present
FILE SIZE: 325,000
AVAILABILITY: Now

GOVERNMENT REPORTS ANNOUNCEMENTS (GRA) (formerly USGRDR) is a data base issued by the National Technical Information Service (NTIS). The GRA data base is multidisciplinary and covers new U.S. Government generated research and development reports of completed projects and efforts, as well as translations of foreign technical material. The file consists of more than 300,000 titles collected since 1964. The corresponding hardcopy associated with the data base is the abstract bulletin published by NTIS under the same name.

Documents and reports submitted to NTIS come from all major departments and agencies within the Federal government, as well as leading private organizations or individuals with Federal grants or contracts, such as the Department of Defense; Housing and Urban Development; the Environmental Protection Agency; Booz-Allen; TRW Systems Group; Miter Corporation; MIT; Sandia Laboratories; and the RAND Corporation.

Updates of the data base file are run monthly and provide the material for SDI profiles. In addition to the SDI capability, a custom search service is available for retrieving information from the retrospective collection, with coverage back to 1970.

Government Reports Announcements contains abstracts of all NOAA publications and those produced under NOAA contracts and grants, including the National Sea Grant Program.

NAME OF DATA BASE: HEATED EFFLUENTS (HEF)

SUPPLIER OF DATA BASE: Cornell University

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1774-present
FILE SIZE: 4,000
AVAILABILITY: Now (Interactive Searches From TID Terminal Only)

HEATED EFFLUENTS (HEF) is a special file on the effects of heated effluents from power plants on the aquatic environment. References date back to 1774.

NAME OF DATA BASE: INFORMATION SERVICE IN PHYSICS, ELECTROTECHNOLOGY, COMPUTERS AND CONTROL (INSPEC)

SUPPLIER OF DATA BASE: Institution of Electrical Engineers, London

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1969-present
FILE SIZE: 500,000
AVAILABILITY: Now

INSPEC, the data base of the Institution of Electrical Engineers, is a composite of three published abstracting and indexing services. The three services scan published literature in the subject fields of physics, electrical engineering and electronics, computers, and control The INSPEC data base consists of abstracts of journal articles, technical reports, patents conference proceedings, books, and theses. Both SDI current awareness and retrospective custom search profiles are available for user services.

NAME OF DATA BASE: ISI AUTOMATIC SUBJECT CITATION ALERT (ASCA)

SUPPLIER OF DATA BASE: Institute for Scientific Information

ACCESS MODE: BATCH

YEARS COVERED: Current year only
FILE SIZE: 374,000
AVAILABILITY: By special arrangement with TID

ASCA is a weekly service affording broad interdisciplinary journal literature coverage from the primary journals of basic applied science, engineering and technology, medicine, and social and behavioral sciences. Approximately 2,500 journals are reviewed and all articles published within the journals are entered. 50% of the items are nonEnglish language publications. Only SDI services are available.

NAME OF DATA BASE: MEDLINE

SUPPLIER OF DATA BASE: National Library of Medicine

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1970-present
FILE SIZE: 450,000
AVAILABILITY: By special arrangement with TID

MEDLINE is the online bibliographic search service of the National Library of Medicine; it contains more than 490,000 citations to articles from about 1,200 major journals indexed for the associated publication Index Medicus. The material cited in the data base is from the world's biomedical serial literature. The continuous updating of the data base permits retrieval references to the latest journal articles of interest to the MEDLINE user. Some sample journals reviewed for MEDLINE are: Environmental Health Perspective, Environmental Research, Enzymologia, Clinical Toxicology, Biochemistry, Biodynamica, Health Physics, Journal of Experimental Biology, Toxicon, and Science.

NAME OF DATA BASE: METEOROLOGICAL AND GEOASTROPHYSICAL ABSTRACTS (MGA)

SUPPLIER OF DATA BASE: American Meteorological Society (under contract to the National Oceanic and Atmospheric Administration)

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1972-present
FILE SIZE: 14,000
AVAILABILITY: Batch Now (1972 file); Interactive, fall-1974

METEOROLOGICAL AND GEOASTROPHYSICAL ABSTRACTS (MGA) data base consists of approximately 14,400 citations with abstracts from domestic and foreign publications dealing with meteorology, physical oceanography, surface water hydrology, glaciology, solar physics, and related subjects. It is the major English language abstracting and indexing service in the atmospheric sciences. The data base is currently comprised of the abstracts published during 1972-73 in Meteorological and Geoastrophysical Abstracts by the American Meteorological Society. Citation/abstracts for succeeding years will be added to the data base on a monthly basis. Pre-1972 citations may be added at a later date. The MGA data base has been developed by NOAA especially for the OASIS program. Interactive retrospective searches and current awareness services should be available by the fall of 1974.

NAME OF DATA BASE: NASA INFORMATION BANK (NASA)

SUPPLIER OF DATA BASE: National Aeronautics and Space Administration

ACCESS MODE: BATCH

YEARS COVERED: 1963-present
FILE SIZE: 500,000
AVAILABILITY: Now

The NASA INFORMATION BANK contains bibliographic data on the complete NASA scientific and technical information collection, including reports, journal articles, books, translations, and conference papers in about 200 separate topic categories relating to aerospace, science, engineering, and technology. Customized current awareness searches are not available. The NASA Information Bank has a retrospective search capability covering the period 1963 to present. The NASA data base is updated bimonthly.

SCAN is a current awareness service that announces new accessions in a fixed number of preselected subject categories. SCAN supplements the basic and continuing NASA announcement tools: Scientific and Technical Aerospace Reports (STAR) and International Aerospace Abstracts (IAA). The two journals announce more than 60,000 documents per year.

NAME OF DATA BASE: NATIONAL AGRICULTURAL LIBRARY (CAIN)

SUPPLIER: U.S. Department of Agriculture

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1970-present
FILE SIZE: 400,000
AVAILABILITY: Now

The CAIN data base contains bibliographic data on documents acquired by the National Agricultural Library on a worldwide basis in the broad field of agriculture, including agricultural economics and rural sociology, agricultural products, animal industry, engineering, entomology, food, and human nutrition, forestry, pesticides, plant science, soils and fertilizers, and other related subject fields. It includes both monographs and journal articles.

NAME OF DATA BASE: NATIONAL OCEANOGRAPHIC DATA CENTER BIOLOGICAL INFORMATION RETRIEVAL SYSTEM (BIRS)

SUPPLIER OF DATA BASE: National Oceanic and Atmospheric Administration (NOAA) National Oceanographic Data Center

ACCESS MODE: BATCH

YEARS COVERED: 1955-present
FILE SIZE: 17,000
AVAILABILITY: Now

The NODC BIOLOGICAL INFORMATION RETRIEVAL SYSTEM (BIRS) is a Marine Biology data base of the National Oceanographic Data Center. It contains 16,500 citations of source documents received by subscription, exchange, or by copies of library items. The scope of the file includes topics of major interest in ecology, sampling techniques of phytoplankton, zooplankton and benthos analysis techniques, growth culture techniques, productivity, particulate and dissolved organic matter, food chains, nutrient cycles, and biodeterioration. Topics of lesser interest are microbiology; pollution; aquaculture; bioluminescence; noxious and poisonous organisms; medical uses of aquatic products; and deep scattering layers. The literature coverage for 99% of the data is for the period from 1955 to the present. The remaining 1 percent is for literature prior to 1955. Most of the citations in the file are to domestic sources, with the remainder citing sources translated from French, Italian, Japanese, Portugese, Russian, and Spanish. Updates to the data base in FY1973 amounted to 3,500 citations with an update of 1,600 citations in FY1974 to date. Searches available from the data base are retrospective and custom. SDI searches are available upon special request under special circumstances, since the data base is not updated on a regular schedule.

NAME OF DATA BASE: NEW YORK BIGHT (NYBIGHT)

SUPPLIER OF DATA BASE: National Oceanic and Atmospheric Administration (NOAA), Environmental Science Information Center

ACCESS MODE: BATCH

YEARS COVERED: 1847-early 1973
FILE SIZE: 2,400
AVAILABILITY: Now

The NEW YORK BIGHT BIBLIOGRAPHIC DATA BASE (NYBIGHT) consists of 2,426 citations to literature relating to the physical, biological, chemical, meteorological, geological, engineering, and social aspects of the New York Bight. The New York Bight is defined as that area from Point Judith, R.I. to Cape May, N.J. extending seaward to the limits of the Continental Shelf and inland to the limits of tidal effects. A bibliography with subject and author indexes was published from the data base in 1973. The first update and expansion of the data base is planned for 1974. Retrospective searches are available, using broad subject categories, keywords, title words, authors, or any combination thereof.

NAME OF DATA BASE: NUCLEAR SCIENCE ABSTRACTS (NSA)

SUPPLIER OF DATA BASE: Atomic Energy Commission

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1968-present
FILE SIZE: 360,000
AVAILABILITY: Now (Interactive Searches From TID Terminal only)

NUCLEAR SCIENCE ABSTRACTS (NSA) is issued by the Atomic Energy Commission and corresponds to the printed publication of the same name. The subject scope of the data base includes the study of production, properties, and phenomena of atomic nuclei, subatomic particles, gamma rays, and nuclear X-rays and the application of nuclear science to other sciences and engineering, as well as the application of other sciences and engineering to the problems of nuclear science. Updates of the data base are issued semimonthly providing output to SDI profiles. The retrospective collection for custom searches covers literature back to 1968. Approximately 47,000 documents are added to the data base files annually.

NAME OF DATA BASE: OCEANIC INDEX (OI)

SUPPLIER OF DATA BASE: Pollution Abstracts, Inc.

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1964-1973
FILE SIZE: 76,000
AVAILABILITY: Mid-1974

OCEANIC INDEX (OI) data base contains citations to all articles abstracted in the journal Oceanic Abstracts (formerly Oceanic Citation Journal and Oceanic Index), published by Pollution Abstracts Inc., in La Jolla, Calif. The data base provides a comprehensive coverage of ocean-related literature and consists of approximately 76,000 citations for the years 1964 through 1973. The OI data base has been developed especially for the OASIS program. Plans are underway to update this data base routinely. Interactive retrospective searches should be available by mid-1974.

NAME OF DATA BASE: PANDEX/TRANSDEX (PT)

SUPPLIER OF DATA BASE: CCM Information Corporation

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1970-present
FILE SIZE: 530,000
AVAILABILITY: Now

PANDEX Current Index to Scientific and Technical Literature is a broad data base covering about 2,400 journals in all fields of science and technology. 250,000 articles per year are added to the data base.

TRANSDEX is a bibliographic reference file to all translations of the U.S. Joint Publications Research Service. It covers 100,000 articles, with 30,000 added each year.

NAME OF DATA BASE: SEARCHABLE PHYSICS INFORMATION NOTICES (SPIN)

SUPPLIER OF DATA BASE: American Institute of Physics

ACCESS MODE: BATCH

YEARS COVERED: 1970-1973
FILE SIZE: 125,000
AVAILABILITY: Now

SEARCHABLE PHYSICS INFORMATION NOTICES (SPIN) is issued by the American Institute of Physics. The Institute reviews 73 journals in the fields of physics and astronomy, yielding from 2,000-5,000 documents per month for input to their data base files. The retrospective collection on which custom searches can be run begins with July, 1970. Sample journal titles reviewed for input to the data base are: Physics of Fluids; Physics Letters A; Applied Optics; Journal of Applied Physics; Reviews of Modern Physics.

NAME OF DATA BASE: SELECTED WATER RESOURCES ABSTRACTS (SWRA)

SUPPLIER OF DATA BASE: U.S. Department of the Interior
Water Resources Scientific
Information Center

ACCESS MODE: BATCH

YEARS COVERED: 1968-present
FILE SIZE: 66,000
AVAILABILITY: Now

SELECTED WATER RESOURCES ABSTRACTS (SWRA) is maintained and updated by the Water Resources Scientific Information Center of the U.S. Department of the Interior. The data base encompasses the broad research areas of water resources such as the hydrologic cycle, supply and demand for water, conservation and the best use of water, engineering, economic, biological, ecological, geographical, and quality aspects of water. Literature coverage for the data base began in 1968 and has to date more than 66,000 citations. Retrospective custom searches are available.

NAME OF DATA BASE: SMITHSONIAN SCIENCE INFORMATION EXCHANGE (SSIE)

SUPPLIER OF DATA BASE: Smithsonian Science Information Exchange, Inc.

ACCESS MODE: BATCH

YEARS COVERED: Current year only
FILE SIZE: 170,000
AVAILABILITY: Now

SSIE-the Smithsonian Science Information Exchange data base, is maintained and constantly updated by SSIE, Inc. The data base has an average of 170,000 summaries of recently funded research in all fields of science. The continuous updating provides search results for SDI profiles, information packages on topics of current interest in the sciences. Retrospective searches are available.

NAME OF DATA BASE: SOLID WASTE INFORMATION RETRIEVAL SYSTEM (SWIRS)

SUPPLIER OF DATA BASE: ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF SOLID WASTE MANAGEMENT PROGRAMS

ACCESS MODE BATCH

YEARS COVERED: 1964-present
FILE SIZE: 23,000
AVAILABILITY: Now

The SWIRS data base contains a comprehensive collection of the world's relevant published literature in the field of solid waste management. More than 7,000 titles are screened for accession of relevant literature. An abstract is included for each citation in the data base. Full texts of all documents accessioned into the system are maintained by the Library Section of the Office of Solid Waste Management, Washington, D.C.

NAME OF DATA BASE: TOXIC MATERIALS (TOXMAT)

SUPPLIER OF DATA BASE: Oak Ridge National Laboratory

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1968-present
FILE SIZE: 5,000
AVAILABILITY: Now (Interactive Searches From TID Terminal Only)

TOXIC MATERIALS(TOXMAT) contains about 4,500 citations of environmental pollutants such as cadmium, mercury, thallium, etc. The full abstracts are stored with the file. An author index and an index of subject categories are available as well as a keyword index. The Toxic Materials file is supported by the Oak Ridge National Laboratory's Environmental Information Systems Office. As the file is updated on an "as needed" basis, only retrospective custom searches are available.

NAME OF DATA BASE: TOXLINE

SUPPLIER OF DATA BASE: National Library of Medicine

ACCESS MODE: BATCH OR INTERACTIVE

YEARS COVERED: 1948-present
FILE SIZE: 273,000
AVAILABILITY: Now

TOXLINE-The data base of the Toxicology Information Program of the National Library of Medicine contains over 273,500 abstracts and citations to toxicology data and information. Six primary sources reviewed for inclusion in this data base are: Hayes File on Pesticides (1948-1961); Toxicity Bibliography (1968-1973); Health Aspects of Pesticides Bulletin (1966-1973); Abstracts on Health Effects on Environmental Pollutants (1972-1973); Chemical Biological Activities File (1965-1973); and International Pharmaceutical Abstracts (1970-1973).

TOXLINE contains source materials on: methods of detection and analysis of toxic substances in biological tissues and fluids; metabolism of toxic substances; treatment of poisoning and overdoses; toxicity, adverse effects (including interactions); poisonings by drugs; and data on hazardous household, agricultural, and industrial products; information regarding the effects of environmental pollutants, including occupationally hazardous chemicals, on man, the human food chain, laboratory animals, and biological systems. The continuous updating and retention of historical information in the data base permits retrieval of citations and abstracts for both retrospective and current awareness interests.

6. SAMPLE SEARCH RESULTS

6.1. SAMPLE CITATION (WITH ABSTRACT) FROM A SEARCH OF THE MGA DATA BASE

(1) M G A: 30%20420
(2) TITLE: Phase transition of water vapor in a mixed layer cloud.
(3) ABSTRACT #: 23 2 420
(4) AUTHOR(s): Podzimek, J.
(5) AUTHOR AFFILIATION: Atmos. Sci. Res. Ctr., State Univ. of N. Y., Albany
(6) PUB REFERENCE: Archiv fur Meteorologie, Geophysik und Bioklimatologie, Ser A, Vienna, 19(4):373-382, 1970
(7) ABSTRACT: The paper presents a contribution to the theoretical solution of the transfer of water vapor between individual elements in a mixed cloud. Using more realistic parameters measured in the atmosphere and in the laboratory, the time variation of water vapor concentration and of the sizes of droplets and ice crystals were calculated in the case of a layer cloud. Such a cloud is relatively stable after approximately 10 min and the growth of ice crystals, having reached the mean size of about 70 MU , is small.
(8) KEYWORDS: Cloud physics studies. Layer clouds.
(9) CODEN: AMGAA
(10) UDC #: 551.576.11:551.574.1
(11) LANGUAGE CODE: EN
(12) COUNTRY CODE: AU
(13) PUBLICATION TYPE: J

6.2 SAMPLE CITATION FROM A SEARCH OF THE NEW YORK BIGHT DATA BASE

The Present Biological Status of the Hudson River

Howells, GP

Nat. Estuarine Pollut. Study, Proc., N.Y.C., 1968, p. 333-335, 1968

22-Water-Pollution Rivers Estuaries Eutrophication Phytoplankton Nutrients Wastes Water pollution Sewage Biology Phosphorous Compounds Oxygen Demand Hudson River Fish Populations Fish

22-1968-0871

6.3 SAMPLE CITATION FROM A SEARCH OF GEOREF

```
PROFILE # 011950-020          APR.  17, 1973
                          QUESTION WT.        +0
KAY, R.:HUBBARD, N.J.:
    CHEMICAL CHARACTERISTICS AND ORIGIN OR OCEANIC RIDGE VOLCANIC ROC
    KS
AM. GEOPHYS. UNION WASHINGTON, D.C. 1972

KEYWDS:  ATLANTIC OCEAN, GEOCHEMISTRY, OLIVINE THOLEIITE, DIFFERENTIA
 TION, MID-ATLANTIC RIDGE, PACIFIC OCEAN, GEOCHEMISTRY, OLIVINE THOLE
 IITE, DIFFERENTIATION, GOROA RIDGE, JUAN DE FUCA RID GE, EAST PACIFI
 C RISE, IGNEOUS ROCKS, BASALT FAMILY, OLIVINE THOLEIITE, GEOCHEMISTR
 Y, ATLANTIC OCEAN, PACIFIC OCEAN, M ID-OCEAN RIDGES, MAGMAS, DIFFERE
 NTIATION, PARTIAL MELTING, GEOCHEMISTRY, ATLANTIC OCEAN, PACIFIC OCE
 AN, MID -OCEAN RIDGES, MANTLE, PROCESSES, DIFFERENTIATION, PARTIAL M
 ELTING, ATLANTIC OCEAN, PACIFIC OCEAN, MID-OCEAN RIDGES, NICKEL, GEO
 CHEMISTRY, OLIVINE THOLEIITE, ATLANTIC OCEAN, PACIFIC OCEAN, MID-OCE
 AN RIDGES
 BIBLIOGRAPHY AND INDEX OF GEOLOGY(GEO.REF) E73-05135
```

6.4 SAMPLE CITATION FROM A SEARCH OF THE NSA DATA BASE

```
DIS  5/2/00001-00007//2                    PAGE 1
28R27347  NSA-28-11  44. 63  (ANL--7960(
PT.3)
  GREAT  LAKES  THERMAL STUDIES- THERMAL
EFFECTS  FROM  THE  POINT  BEACH NUCLEAR
POWER PLANT./
  SPIGARELLI,S.A./
  GREAT  LAKES  THERMAL STUDIES- THERMAL
EFFECTS FROM   THE  POINT  BEACH NUCLEAR
POWER PLANT/
  AQUATIC ECOSYSTEMS/BEHAVIOR/BIOLOGICAL
EFFECTS / BIOLOGICAL VARIABILITY/FISHES/
INVERTEBRATES / LAKE  MICHIGAN/PLANKTON/
PLANT   GROWTH / PLANTS / POINT  BEACH-1
REACTOR /POINT BEACH-2 REACTOR/SAMPLING/
SEASONAL    VARIATIONS    /   TEMPERATURE
DEPENDENCE/ THERMAL  POLLUTION /THERMAL
EFFLUENT/
```

NOAA FORM 24-21
(12-73)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DATE

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(OCEANIC AND ATMOSPHERIC SCIENTIFIC INFORMATION SYSTEM)

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CITY

STATE

ZIP CODE

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5. **TITLE AND ORGANIZATION**

6. **PHONE NO.** (Include A. C.)

7. **DETAILED SUBJECT AREA REQUIREMENTS** – *(Please describe your information needs as specifically as possible. Include as many key words with synonymns as possible, indicating any terms that may have special meaning to your request. If specific subject areas are to be excluded from the profile, please set them forth separately and clearly identify them as exclusions.)*

8. **GEOGRAPHIC RESTRICTIONS** – *(If only certain areas are of interest, list them here)*

9. **AUTHORS** – *(List any authors whose writings are of interest, specifying first and middle names when known)*

10. **LIST ANY JOURNALS WHOSE CONTENTS SHOULD BE EXCLUDED FROM THIS SEARCH**

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13. **SEARCH REQUIREMENTS** *(Please check one of the boxes below to indicate the type search you require)*

☐ CONTINUING CURRENT AWARENESS *(SDI)* ☐ ONE TIME RETROSPECTIVE SEARCH

☐ OTHER *(Specify)* _____

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☐ NARROW SEARCH DESIGNED TO RETRIEVE SOME OF THE RELEVANT CITATIONS, BUT WITH FEW ACCOMPANYING IRRELEVANT CITATIONS.

15. **KNOWN RELEVANT PAPERS** – *(Supply bibliographic citations for a few of the relevant articles you have retrieved by your own efforts. If no relevant papers have been found, state "NONE".)*

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5. **TITLE AND ORGANIZATION**

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8. **GEOGRAPHIC RESTRICTIONS** – *(If only certain areas are of interest, list them here)*

9. **AUTHORS** – *(List any authors whose writings are of interest, specifying first and middle names when known)*

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☐ OTHER *(Specify)* _____

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